

**DECLARATION AND POWER OF ATTORNEY**

As a below named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled "LOW POWER MEMORY CONTROLLER WITH LEADED DOUBLE DATA RATE DRAM PACKAGE ON A TWO LAYER PRINTED CIRCUIT BOARD," the specification of which:

- ☒ is attached hereto.  
☐ was filed on \_\_\_\_\_ as Application Serial No. \_\_\_\_\_  
 and was amended on \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the Patent and Trademark Office all information known to me to be material to patentability of the subject matter claimed in this application, as "materiality" is defined in 37 C.F.R. § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate listed below, or under § 365(a) of any PCT international application listed below designating at least one country other than the United States of America, and have identified below any foreign application for patent or inventor's certificate, or of any PCT international application, having a filing date before that of the application on which priority is claimed.

<u>Prior Foreign Application No.</u>	<u>Country</u>	<u>Filing Date</u> <u>(mm/dd/yy)</u>	<u>Priority</u> <u>Claimed</u>	<u>Cert. copy</u> <u>Attached</u>
N/A				

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below.

<u>Provisional Application No.</u>	<u>Filing Date</u> <u>(mm/dd/yyyy)</u>
N/A	

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s) listed below, or under § 365(c) of any PCT international application listed below designating the United States of America, and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose all information known to me to be material to the patentability of the subject matter claimed in this application, as "materiality" is defined in 37 C.F.R. § 1.56, which became available between the filing date of the prior application and the national or PCT international filing date of this application.

<u>Parent Application No.</u>	<u>Filing Date</u> <u>(mm/dd/yy)</u>	<u>Parent Patent No. (if applicable) or Status</u>
N/A		

Attorney Docket Number: 5201-27600  
03-1237

I hereby revoke any previous Powers of Attorney and appoint

Sandeep Jaggi, Ph.D., Reg. No. 43,331; Pete P. Scott, Reg. No. 33,279; Leo J. Peters, Reg. No. 33,562 and Timothy R. Croll, Reg. No. 36,771.

*each said attorney being employed by LSI Logic Corporation; and*

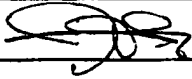
Kevin L. Daffer, Reg. No. 34,146; Charles D. Huston, Reg. No. 31,027; Mollie E. Lettang, Reg. No. 48,405; Ann Marie Mewherter, Reg. No. 50,484; Louise K. Miller, Reg. No. 36,609; and David A. Rose, Reg. No. 26,223;

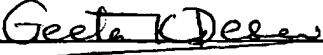
*each said attorney or agent being a member or associate of the firm of Conley Rose, P.C., as attorney or agent for so long as s/he remains with such company or firm, with full power of substitution and revocation, to prosecute the application, to make alterations and amendments therein, to transact all business in the Patent and Trademark Office in connection therewith, and to receive the Letters Patent.*

Please direct all communications to:


Leo Peters  
LSI Logic Corporation  
1621 Barber Lane, MS D-106  
Milpitas, CA 95035

I hereby declare that all statements made herein of my own knowledge are true and that all statements made herein on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Inventor's Full Name: Eric Hung  
Inventor's Signature:  Date: 11/25/03  
City and State (or Foreign Country) of Residence: San Jose, CA Citizenship: USA  
Post Office and Residence Address: 470 Navaro Way, Apt. 106, San Jose, CA 95134  
(Include number, street name, city, state and zip code)

Inventor's Full Name: Geeta Desai GEETA . K . DESAI  
Inventor's Signature:  Date: 24th NOV 2003  
City and State (or Foreign Country) of Residence: Saratoga, CA Citizenship: India  
Post Office and Residence Address: 19700 Farwell Avenue, Saratoga, CA 95070  
(Include number, street name, city, state and zip code)

Attorney Docket Number: 5201-27600  
03-1237

Inventor's Full Name: Vijendra Kuroodi  
Inventor's Signature:  Date: 11/24/2003  
City and State (or Foreign Country) of Residence: Cupertino, CA Citizenship: India  
Post Office and Residence Address: 20875 Valley Green Dr., Apt. 91, Cupertino, CA 95014  
(Include number, street name, city, state and zip code)

RECORDATION FORM COVER SHEET  
PATENTS ONLY

Atty Dkt. No. 5201-27600

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Eric Hung  
Geeta K. Desai  
Vijendra Kuroodi

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies):

Name: LSI Logic Corporation

Internal Address: \_\_\_\_\_

Street Address: 1621 Barber Lane

City: Milpitas State: CA ZIP 95035

Additional name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of Conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

Execution Date: November 24, 2003

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of this application is: November 24, 2003

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Leo Peters

Internal Address: LSI Logic Corporation

Street Address: 1621 Barber Lane, MS D-106

City Milpitas State CA ZIP 95035

6. Total number of applications and patents involved: one (1)

7. Total fee (37 CFR 3.41): .....\$ 40.00

- ☐ Enclosed  
☒ Authorized to be charged to deposit account

8. Deposit account number: 12-2252/03-1237  
(Attach a duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and Signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

Kevin L. Daffer

Name of Person Signing  
Reg. No. 34,146

  
Signature

December 5, 2003

Date

Total number of pages including cover sheet: 3

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Geeta K. Desai  
Vijendra Kuroodi

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

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Name: LSI Logic Corporation

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City: Milpitas State: CA ZIP 95035

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Kevin L. Daffer

Name of Person Signing  
Reg. No. 34,146

  
Signature

December 5, 2003

Date

Total number of pages including cover sheet: 3

ASSIGNMENT


For Good And Valuable Consideration, the receipt and sufficiency of which is hereby acknowledged, we the undersigned, ERIC HUNG, GEETA DESAI, and VIJENDRA KUROODI do hereby sell, assign and transfer to LSI LOGIC CORPORATION, a corporation of Delaware, having a place of business at 1621 Barber Lane, Milpitas, California 95035, ("Assignee"), its successors, assigns, and legal representatives, the entire right, title and interest for the United States and all foreign countries, in and to any and all inventions and improvements which are disclosed in the application for United States Letters Patent,

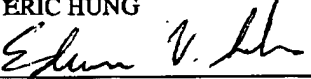
- (X) which has been executed by the undersigned concurrently herewith,  
( ) which was filed on \_\_\_\_\_, 19\_\_ and assigned Serial No. \_\_\_\_\_

and is entitled "LOW POWER MEMORY CONTROLLER WITH LEADED DOUBLE DATA RATE DRAM PACKAGE ON A TWO LAYER PRINTED CIRCUIT BOARD," and in and to said application and all divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said improvements; and in and to all rights of priority resulting from the filing of said United States application; and


Agree that said Assignee may apply for and receive Letters Patent for said improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and representatives, all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications to patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives; and


Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Inventor Signature:  Date: 11/28/, 2003  
ERIC HUNG

Witness Signature:  Date: 12/03/03, 2003

Witness Printed Name: Edward V. Silva

Inventor Signature:  Date: 24th Nov, 2003  
GEETA DESAI GEETA K. DESAI

Witness Signature:  Date: 24th Nov, 2003

Witness Printed Name: DUANE WONG

Attorney Docket Number: 5201-27600  
03-1237

Inventor Signature: Vijendra Kuroodi  
VIJENDRA KUROODI  
Witness Signature: [Signature]  
Witness Printed Name: DANE WONG

Date: 11/24/, 2003

Date: 11/24, 2003